

**From:** [Granger, Michelle](#)  
**To:** [Bruce S Kennington](#)  
**Subject:** RE: Coordination for Supplemental Soil Borings, Washington Plant Shutdown, OU3, PVGCS Site  
**Date:** Tuesday, December 04, 2018 12:41:00 PM  
**Attachments:** [image001.jpg](#)  
[image002.jpg](#)

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Hi, Bruce-

Thank you for the all the details below and attached. USACE will be there doing oversight and taking splits as in the past. They have my cell number. Please feel free to call my cell (below) when results are received during the week of Dec. 24<sup>th</sup> and Dec. 31<sup>st</sup>.

Thank you!

Michelle-

Cell: 516-321-0438

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**From:** Bruce S Kennington <bkennington@ramboll.com>

**Sent:** Tuesday, November 27, 2018 3:55 PM

**To:** Granger, Michelle <Granger.Michelle@epa.gov>

**Cc:** 'Luis Hidalgo (Luis.Hidalgo@riotinto.com)' <Luis.Hidalgo@riotinto.com>; Stephen Timm (stephen.timm@albea-group.com) <stephen.timm@albea-group.com>; 'Hauber, Erin M CIV USARMY CENWK (US)' <Erin.M.Hauber@usace.army.mil>; 'Joshua.A.Watts@usace.army.mil' <Joshua.A.Watts@usace.army.mil>; 'Brink, Bradley J NWK (Bradley.J.Brink@usace.army.mil)' <Bradley.J.Brink@usace.army.mil>; patrick nejand <patrick.c.nejand@usace.army.mil>; 'Neal F. Kolb P.E. (Neal.F.Kolb@usace.army.mil)' <Neal.F.Kolb@usace.army.mil>; Stan Popelar <SPopelar@ramboll.com>; Scott Tarmann <starmann@ramboll.com>; David T Heidlauf <dheidlauf@ramboll.com>

**Subject:** Coordination for Supplemental Soil Borings, Washington Plant Shutdown, OU3, PVGCS Site  
Dear Michelle:

Please see the below and attached with details on the planned supplemental soil borings to be performed inside the Main Production Area (MPA) of the Albéa Americas Washington facility during the scheduled plant shutdown from Dec 24, 2018 to Jan 1, 2019. Included is a GANT chart time schedule and maps illustrating routes for staging and transport of materials both inside and outside of the Washington plant building. We have had recent meetings and on-site reviews with the Albéa facility staff to coordinate details and are prepared to proceed accordingly.

December Plant Shutdown - Drilling Implementation time schedule in MPA

Please see attached "Exhibit B" with details of the planned December drilling activities, and the below with descriptions of the activities that are planned each date. Ramboll and Cascade Drilling personnel will arrive on-site beginning December 18<sup>th</sup> to perform outdoor setup activities. Movement of drilling equipment and setup inside the building is planned to begin on Dec 24<sup>th</sup>. The "Daytime" shift described below will begin each day at 7AM, and the "Night" shift will begin each day at 7PM.

December 18 – Outdoor Set-up – One 10 to 12 hours Shift (Daytime)  
December 19 – Outdoor Set-up – One 10 to 12 hours Shift (Daytime)  
December 20 – Outdoor Set-up – One 10 to 12 hours Shift (Daytime)  
December 21 – Outdoor Set-up – One 10 to 12 hours Shift (Daytime)  
December 22 – Outdoor Set-up – One 10 to 12 hours Shift (Daytime, If needed)  
December 23 – Outdoor Set-up – One 10 to 12 hours Shift (Daytime, If needed)  
December 24 – Indoor Set-up inside MPA – One 10 to 12 hours Shift (Daytime)  
December 25 – Indoor Set-up inside MPA – One 10 to 12 hours Shift (Daytime)  
December 26 – Drilling inside MPA – Two Rigs/Two 10 to 12 hours Shifts (Day Shift/  
Night Shift)  
December 27 – Drilling inside MPA – Two Rigs/Two 10 to 12 hours Shifts (Day Shift/  
Night Shift)  
December 28 – Drilling inside MPA – Two Rigs/Two 10 to 12 hours Shifts (Day Shift/  
Night Shift)

December 29 – Drilling inside MPA – Two Rigs/Two 10 to 12 hours Shifts (Day Shift/  
Night Shift)  
December 30 – Drilling inside MPA – Two Rigs/Two 10 to 12 hours Shifts (Day Shift/  
Night Shift)  
December 31 – Drilling inside MPA – Two Rigs/Two 10 to 12 hours Shifts (Day Shift/  
Night Shift)  
January 1 – Demobe from the MPA and Clean-up - Two Rigs/Two 10 to 12 hours  
Shifts (Day Shift/ Night Shift end before midnight)  
January 2 – Outdoor Demobe (Daytime, if needed)

Traffic Routes and Staging/Laydown Areas. Please see the attached Figure 1, with the  
planned traffic route for movement of equipment and materials and proposed outdoor  
staging areas. Figure 2 illustrates the planned ingress and egress routes for movement of  
equipment and materials inside the building to support the December drilling activities in  
the MPA.

Of important note is that given the limited time frame to perform this work within the MPA before  
the plant resumes production (a total of 9 days, and 6 days of drilling to complete up to 4 total soil  
borings), as soon as we have results (i.e., field observations, PID measurements and 24-hour TAT  
for volatiles in soil samples) we would like to communicate with USEPA and reach concurrence on  
the next steps (e.g., to step-inward or outward with subsequent soil borings) the same day that  
results are received. As this drilling will be during the common holiday break between Christmas  
and New Year's day, we look to ensure that this can be accommodated.

Please let us know if there are any questions on the detailed schedule for these supplemental soil  
boring activities for OU3.

Sincerely,

**Bruce S Kennington**

Masters of Engineering Environmental Engineering

Principal

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